

to the terminal areas of a carrier substrate, the method comprising the steps of:

depositing adhesive material between the substrates in the plane of the connection;

arranging the substrates in a connecting position such that the terminal areas are situated opposite one another in the plane of the connection and substantially simultaneously displacing the adhesive material deposit arranged between the substrates in the plane of the connection with the arrangement of the contact substrate in the connecting position;

heating the contact substrate to the connecting temperature from a rear side that is situated opposite the terminal areas in order to reach the required connecting temperature in the plane of the connection; and

heating the contact substrate by subjecting the substrate to laser energy to produce a thermal connection between the terminal areas of the substrates.

14. (NEW) The method according to claim 13, wherein the rear side of the substrates are respectively supported while the contact substrate is heated and while the contacting terminal areas of the substrates are situated opposite one another, with the support being realized in such a way that at least partial surface regions of the rear side are supported which lie outside of an energy receiving surface that is subjected to the laser energy.

15. (NEW) The method according to claim 14, wherein the support comprises a contact surface of a contacting device that serves for connecting or for accommodating a glass fiber.

16. (NEW) The method according to claim 15, wherein one of the substrates is subjected to a negative pressure via the contact surface in order to transfer the substrate into the connecting position.

17. (NEW) A contacting device for producing a thermal connection between the terminal areas of two substrates which are arranged opposite one another in the plane of the connection, the contact device comprising:

a glass fiber holding device including a contact mouthpiece for producing a connection with at least one glass fiber end section, said contact mouthpiece having a contact surface and glass fiber accommodation channels that open into the contact surface, each channel having a glass fiber end section, said contact mouthpiece having a negative pressure device connected to said glass fiber accommodation channels opening to the contact surface of the contact mouthpiece, glass fiber accommodation channels forming negative pressure lines of the negative pressure device.

18. (NEW) A contacting device according to claim 17, wherein the fiber holding device is provided with a fiber advancing unit.

19. (NEW) The contacting device according to claim 17, wherein a fiber holding device is provided with a pressure connection in order to form the negative pressure device.

20. (NEW) The contacting device according to claim 17, wherein the fiber holding device serves for accommodating at least one glass fiber end section such that a fiber end cross-section is arranged at a distance from the contact surface of the contact mouthpiece.

21. (NEW) The contacting device according to claim 20, wherein the contact mouthpiece is realized in the form of a capsule like hollow body that contains a negative pressure opening in the contact surface and a pressure connection in its outer surface.

22. (NEW) A contacting device according to claim 18, wherein the fiber holding device is provided with a pressure connection in order to form the negative pressure device.

23. (NEW) A contacting device for producing a thermal connection between the terminal areas of two substrates which are arranged opposite one another in the plane of the connection, the contact device comprising:

a contact mouthpiece for producing a connection with at least one glass fiber end section, said contact mouthpiece having a glass fiber holding device with a contact surface and a glass fiber accommodation channel that opens into the contact surface, said channel having a glass fiber end section, said contact mouthpiece having a negative pressure device connected to said glass fiber accommodation channel opening to the contact surface of the contact mouthpiece, the glass fiber accommodation channel forming a negative pressure line of the negative pressure device.